

Recombinant Human SLC1A7 Protein, His-tagged

Cat. No. SLC1A7-2062H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC1A7 Protein (His115-Thr216) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	His115-Thr216
Description	Predicted to enable anion transmembrane transporter activity. Involved in neurotransmitter reuptake. Predicted to be located in plasma membrane. Predicted to be active in glutamatergic synapse. Predicted to be integral component of postsynaptic membrane and integral component of presynaptic membrane.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.2 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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	less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	SLC1A7 solute carrier family 1 member 7 [Homo sapiens (human)]
Official Symbol	SLC1A7
Synonyms	SLC1A7; solute carrier family 1 member 7; AAAT; EAAT5; excitatory amino acid transporter 5; excitatory amino acid transporter 5 (retinal glutamate transporter); retinal glutamate transporter; solute carrier family 1 (glutamate transporter), member 7
Gene ID	6512
mRNA Refseq	NM_001287596
Protein Refseq	NP_001274525
MIM	604471
UniProt ID	O00341

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